



Preface

Revised: February 7, 2008, OL-11755-03

This document provides an overview of the components, functions and signaling protocols supported by the Cisco BTS 10200 Softswitch.

Objective

The owner/operator of a Cisco BTS 10200 Softswitch can use this document to better understand how the system interfaces with the network, and how it provides network and subscriber features in conjunction with other network elements.



Caution

Some features involve the use of other network elements (NEs) deployed in the service provider network, for example, gateways, media servers, announcement servers, eMTAs, and SIP phones. See the [“Component Interoperability”](#) section of the *Release Notes* for a complete list of the specific peripheral platforms, functions, and software loads that have been used in system testing for interoperability with the Cisco BTS 10200 Softswitch Release 5.0 software. Earlier or later releases of platform software might be interoperable with the Cisco BTS 10200 Softswitch and it might be possible to use other functions on these platforms. The list in the *Release Notes* certifies only that the required interoperation of these platforms, the functions listed, and the protocols listed have been successfully tested with the Cisco BTS 10200 Softswitch.

Audience

This document is designed for engineers, technicians, and system administrators who install, configure, and operate the Cisco BTS 10200 Softswitch.

Organization

This System Description contains the following chapters:

- [Chapter 1, “Cisco BTS 10200 Softswitch Technical Overview”](#)
- [Chapter 2, “Supported Signaling Protocols”](#)

This document also includes the “[Glossary](#)” and “[Index](#)”.



Tip

For preinstallation information, see the [Cisco BTS 10200 Softswitch Site Preparation and Network Communications Requirements](#).

Conventions

This document uses the following conventions:



Note

Means *reader take note*. Notes contain helpful suggestions or references to material not covered in the manual.



Caution

Means *reader be careful*. In this situation, you might do something that could result in equipment damage or loss of data.

Updates to this Document for Release 5.0

OL-11755-03, February 2008

The HTTP-FS (MBA) component was deleted.

Information on compliance to RFC documents was updated in the “[SIP and SIP-T Signaling Support](#)” section on page 2-13.

OL-11755-02, April 2007

Additional information was added to the descriptions of the CLI and MAINT shells in the “[EMS Functions](#)” section on page 1-14.

Links to additional information were updated in the “[HTTP-FS Functions \(Optional Component\)](#)” section on page 1-19.

The “[Asynchronous DNS Lookup Function](#)” section on page 1-25 was added.

Additional information on billing fields, cause code selection, and troubleshooting was added to the “[ISUP Transparency with the Cisco PGW 2200](#)” section on page 2-5.

OL-11755-01, December 2006

Chapter 1, “[Cisco BTS 10200 Softswitch Technical Overview](#)”:

- Several new features for Release 5.0 were described in the “[Overview of Features and Functions](#)” section.
- The procedural information for installation of HTTP-FS was removed from this chapter and moved to the *Cisco BTS 10200 Softswitch SIP Feature and Provisioning Guide*. (Descriptive information was not moved.)
- Additional information was added to the descriptions of the CLI and MAINT shells.

- Information was added to describe the internal secondary authoritative DNS server (ISADS).
- Information was added to describe the automatic restart function.

[Chapter 2, “Supported Signaling Protocols”](#)

- Information regarding the available codecs was updated.
- Information regarding the supported ISUP variants was updated.

Obtaining Documentation, Obtaining Support, and Security Guidelines

For information on obtaining documentation, obtaining support, providing documentation feedback, security guidelines, and also recommended aliases and general Cisco documents, see the monthly *What's New in Cisco Product Documentation*, which also lists all new and revised Cisco technical documentation, at:

<http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html>

